

Title (en)  
Display apparatus for displaying an aerial image floating in front of a background image

Title (de)  
Anzeigegerät zur Darstellung eines Luftbildes vor einem Hintergrundbild

Title (fr)  
Dispositif d'affichage d'une image flottante devant une image de fond

Publication  
**EP 1315019 A1 20030528 (EN)**

Application  
**EP 02258020 A 20021121**

Priority  
JP 2001357073 A 20011122

Abstract (en)  
An image display machine includes a first planar display 10 to present a two-dimensional image. The two-dimensional image includes an object image. The display machine also includes an image transmitting panel 20 which has a micro lens array 22. The image transmitting panel 20 is placed in parallel to the first display 10. The micro lens array 22 includes a plurality of lenses, and has an effective area greater than the object image. The image transmitting panel 20 creates an imaging plane 30 to show a real image of the two-dimensional image on the side opposite the first display 10. The display machine further includes a second display 50 to present a background image. The second display 50 is located between the imaging plane 30 and the micro lens array 22. The second display 50 has a transparent or semitransparent area. The display machine has a simple structure, but is able to display the two-dimensional image stereoscopically. <IMAGE>

IPC 1-7  
**G02B 27/22**; **G03B 21/00**

IPC 8 full level  
**G03B 35/18** (2006.01); **G02B 27/22** (2006.01); **G03B 15/10** (2006.01)

CPC (source: EP US)  
**G02B 30/56** (2020.01 - EP US); **G03B 15/10** (2013.01 - EP US)

Citation (search report)  
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• [A] CA 2121054 A1 19951013 - PETHICK GERALD [CA], et al & EP 1275999 A1 20030115 - JAPAN SCIENCE & TECH CORP [JP]  
• [YA] PATENT ABSTRACTS OF JAPAN vol. 016, no. 348 (P - 1393) 28 July 1992 (1992-07-28)  
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DOCDB simple family (application)  
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